

Recombinant Human KCTD3 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. KCTD3-3575H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	KCTD3 MS Standard C13 and N15-labeled recombinant protein (NP_057205) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a member of the potassium channel tetramerization-domain containing (KCTD) protein family. Members of this protein family regulate the biophysical characteristics of ion channels. In mouse, this protein interacts with hyperpolarization-activated cyclic nucleotide-gated channel complex 3 and enhances its cell surface expression and current density. Alternative splicing results in multiple transcript variants.
Molecular Mass	88.8 kDa
AA Sequence	MAGGHCGSVPAAGSGEIVQLNVGGTRFSTSRQTLMWIPDSFFSSLLSGRISTLR DETGAIFIDRPAAAFAPILNFLRTKELDLRGVSINVL RHEAEFYGITPLVRRLLLCEELE RSSCGSVLFHGYLPPPGIPSRKINNTVRSADSRNGLNSTEGEARGNGTQPVLSGTG EETVRLGFPVDPRKVLIVAGHHNWIVAAYAHFAVCYRIKESSGWQQVFTSPYLDWTI ERVALNAKVVGPHGDKDKMVAVASESSIILWSVQDGGSGSEIGVFSLGVPVDALF FIGNQLVATSHTGKVGWVNAV TQHWQVQDVVPITSYDTAGSFLLLGCNNGSIYYIDM QKFPLRMKDNDLLVTELYHDPSNDAITALSVYLT PKTSVSGNWIEIAYGTSSGAVRVI

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VQHPETVGSGPQLFQTFTVHRSPVTKIMLSEKHLVSVCADNNHVRTWTVTRFRGMI
STQPGSTPLASFKILSLEETESHGSSYSSGNDIGPFGERDDQVFIQKVVPITNKLFRV
LSSTGKRICEIQAVDCTTISSTVRECEGSSRMGSRPRRYLFTGHTNGSIQMWDLT
AMDVMNKSEDKDVGGPTEEEELLKLLDQCDLSTSRCATPNISPATSVVQHSHLR
SSQLQHHDTTAEAATYGSMPYRESPLARARRTESFHSYRDFQTINLNRNVERA
VPENGNLGPQIAEVKGATGECNISERKSPGVEIKSLRELDGSLVHKIAEGFSESKKR
SSEDENENKIEFRKKGGFEGGGFLGRKKVPYLASSPSTSDGGTSDPGTASPSPTKT
TPSPRHKKSDSSGQEYSLTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	KCTD3 potassium channel tetramerisation domain containing 3 [Homo sapiens (human)]
Official Symbol	KCTD3
Synonyms	KCTD3; potassium channel tetramerisation domain containing 3; BTB/POZ domain-containing protein KCTD3; NY REN 45; NY-REN-45 antigen; renal carcinoma antigen NY-REN-45; NY-REN-45; MGC43935;

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Gene ID	51133
mRNA Refseq	NM_016121
Protein Refseq	NP_057205
MIM	613272
UniProt ID	Q9Y597
SDS-PAGE	